

REC'D DEC 28 2001

## S&MA Mission Services Task Directive

Control No. 10 11 <i>TDR</i>	Project Code Shuttle - PRA	Contract No. NAS8-00179
Originator's Signature: QS20/Alex Adams	Date: 12/11/01	Originator's Priority: High
Office Manager's Signature: QS20/Alex Adams	Date: 12/11/01	<i>Alex Adams</i>
CO TR's Approval: QS01/Terry Hamm <i>Terry Hamm</i>	Date: 12-12-01	
Subject: Additional Probabilistic Risk Assessment (PRA) support for MSFC Shuttle Elements		
<b>Task Description:</b> <ul style="list-style-type: none"> <li>Conduct technical interchange meetings with each Shuttle prime (Rocketdyne, Pratt &amp; Whitney, Thiokol, Lockheed Martin, USA) to insure consistency in modeling and quantification</li> <li>Resolve technical issues between MSFC elements and JSC, KSC</li> <li>Provide expert support to the primes through modeling guidance and review of completed models</li> <li>Assist primes in model development and quantification, including process issues</li> <li>Review models developed by the prime contractors and resolve any issues that are found</li> <li>Input completed PRA models into the SAPHIRE software program</li> </ul>		
<b>Required Action/Deliverables/Schedule:</b> <ul style="list-style-type: none"> <li>Trip reports from technical interchange meetings</li> <li>Documentation of communication with JSC and KSC</li> <li>Documentation of review comments sent to Shuttle primes</li> <li>Shuttle PRA models in SAPHIRE</li> </ul>		
<b>Schedule/Manpower</b> <ul style="list-style-type: none"> <li>Task effective through 9/30/02</li> </ul>		
Report Progress To: QS20/Alex Adams	Report Date:	Frequency of Report: On-going